

INTERNATIONAL SEARCH REPORT

PCT/GB2004/001071

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07F15/02 C08F10/00 C08F4/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07F C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/062249 A (IC INNOVATIONS LIMITED) 31 July 2003 (2003-07-31) the whole document	1-47
X	WO 03/010207 A (SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY) 6 February 2003 (2003-02-06) the whole document	1-47
E	-& EP 1 426 385 A (SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY) 9 June 2004 (2004-06-09) the whole document	1-47
X	WO 02/090365 A (BP CHEMICALS LIMITED) 14 November 2002 (2002-11-14) the whole document	1-14, 16-47
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

23 June 2004

Date of mailing of the international search report

06/07/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 26, 1 July 2002 (2002-07-01) -& JP 2001 240611 A (SUMITOMO CHEM CO LTD), 4 September 2001 (2001-09-04) Paragraphs '0022!-'0024! in particular abstract	1-12, 17-47
X	WO 02/50138 A (BP CHEMICALS LIMITED) 27 June 2002 (2002-06-27) the whole document	1-14, 16-47
X	WO 01/44324 A (DU PONT) 21 June 2001 (2001-06-21) the whole document	1-14, 16-47
X	DE 11 57 625 B (BAYER AG) 21 November 1963 (1963-11-21) examples	1-14,16

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: 1-14, 16-21, 23-47 (all partially)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1-14,16-21,23-47 (all partially)

The present claims relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope was deemed impossible. Additionally the initial phase of the search revealed a very large number of documents relevant to the issue of novelty of the claims seen as broader in scope. So many documents were retrieved that it is impossible to determine which parts of the claim(s) may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). Consequent to the above, the search was firstly limited to the subject-matter of claims 11 and 15 with the result being that again a very large number of documents relevant to the question of novelty was found for the subject-matter of claim 11 so that only the most specific embodiment falling under the scope of this claim, namely the compounds of claim 22 can be said to have been searched in their entirety (no documents were found relevant to the question of novelty of claim 22). The search is therefore to be seen as complete only for the subject-matter of claims 15 and 22.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Information on patent family members

PCT/GB2004/001071

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03062249	A	31-07-2003	WO 03062249 A2	31-07-2003
WO 03010207	A	06-02-2003	CN 1332182 A	23-01-2002
			CN 1364818 A	21-08-2002
			WO 03010207 A1	06-02-2003
			EP 1426385 A1	09-06-2004
EP 1426385	A	09-06-2004	CN 1332182 A	23-01-2002
			CN 1364818 A	21-08-2002
			EP 1426385 A1	09-06-2004
			WO 03010207 A1	06-02-2003
WO 02090365	A	14-11-2002	WO 02090365 A1	14-11-2002
JP 2001240611	A	04-09-2001	NONE	
WO 0250138	A	27-06-2002	AU 1727602 A	01-07-2002
			EP 1362068 A2	19-11-2003
			WO 0250138 A2	27-06-2002
			US 2004087436 A1	06-05-2004
WO 0144324	A	21-06-2001	AU 2581201 A	25-06-2001
			EP 1237953 A2	11-09-2002
			JP 2003517061 T	20-05-2003
			WO 0144324 A2	21-06-2001
			US 2003100441 A1	29-05-2003
			US 2002107345 A1	08-08-2002
DE 1157625	B	21-11-1963	NONE	